

Application No.: 10/047608

Docket No.: ALXN-P01-059

Amendments to the Specification:

Please replace the paragraph beginning on page 7, line 21 with the following rewritten paragraph:

Any compounds which bind to or otherwise block the generation and/or activity of any of the human complement components, such as, for example, antibodies specific to a human complement component are useful herein. Some compounds include 1) antibodies directed against complement components C-1, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, Factor D, Factor B, Factor P, MBL, MASP-1, AND MASP-2 and 2) naturally occurring or soluble forms of complement inhibitory compounds such as CR1, LEXCR1, MCP, DAF, CD59, Factor H, cobra venom factor, FUT-175, y bind protein, complestatin, and K76 COOH. Suitable compounds for use herein are antibodies that reduce, directly or indirectly, the conversion of complement component C5 into complement components C5a and C5b. One class of useful antibodies are those having at least one antibody-antigen binding site and exhibiting specific binding to human complement component C5, wherein the specific binding is targeted to the alpha chain of human complement component C5. Such an antibody 1) inhibits complement activation in a human body fluid; 2) inhibits the binding of purified human complement component C5 to either human complement component C3 or human complement component C4; and 3) does not specifically bind to the human complement activation product for C5a. Particularly useful complement inhibitors are compounds which reduce the generation of C5a and/or C5b-9 by greater than about 30%. A particularly useful anti-C5 antibody is h5G1.1-scFv. h5G1.1 is an antibody produced by the h5G1.1 hybridoma deposited into the American Type Culture Collection (ATCC, Rockville, MD) on ~~April 29, 1994~~ April 27, 1994 as ATCC HB 11625. Versions of h5G1.1-scFv are shown in SEQ ID NOs: 2, 4, 6, 8, 10, 12, 14, 16 and 18. Methods for the preparation of h5G1.1-scFv are described in U.S. patent application Ser. No. 08/487,283 filed Jun. 7, 1995 now U.S. Pat. No. 6,355,245 and "Inhibition of Complement Activity by Humanized Anti-C5 Antibody and Single Chain Fv", Thomas et al., Molecular Immunology, Vol. 33, No. 17/18, pages 1389-1401, 1996, the disclosures of which are incorporated herein in their entirety by this reference.